

Product datasheet for **RR212587**

Vldlr (NM_013155) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vldlr (NM_013155) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vldlr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212587 representing NM_013155
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCACGTCCGCGCTTGGGCGCTGTGGCTGCTGCTCGCGCTGTGCTGGGCGCCCCGGGACAGCGGCG
 CCACTGCAAGCGGGAAGAAGCCAAATGTGACAGCTCCCAATCCAGTGACAAAATGGTCGCTGCATTAC
 TCTGCTGTGAAAATGTGATGGAGACGAAGACTGTACTGATGGCAGTGACGAGAAGAACTGTGTGAAGAAG
 ACATGTGCTGAGTCAGACTTCGTGTGCAAAAACGGCCAGTGTGTTCCCAACAGATGGCAGTGTGATGGGG
 ACCCTGATTGTGAAGATGGTTCTGATGAAAGCCCAGAACAGTGCCATATGAGAACATGCCGCATAAATGA
 AATCAGCTGTGGCGCCGTTCTACTCAGTGTATCCCAGAGTCTGGAGATGCGATGGTGA AAAATGATTGT
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 CTGTGCTCCACCGACCTCGGGTCCCACGAGTTCAGTGCAGCACCTCCTCCTGCATCCCGCTCAGCTGG
 GTGTGTGACGATGACGCAGACTGTTCCGACCAATCAGACGAGTCTCTTGAGCAGTGTGGCCGTGAGCCTG
 TGATACACACCAATGTCCCACCACTGAGATCCAGTGTGGCTCTGGCGAGTGCATTACAAAAAATGGCG
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 GACCAGTTTGAATGTGAGGACGGTAGCTGTATCCATGGCAGCAGACAATGCAACGGCATCCGAGACTGTG
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 CCCCTGAAGGAGTGCCATATCAACGAATGCTTGGTCAATAACGGTGGCTGTTCCCATATGCAAAAGACC
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 ATCCTGCAGCCATTGCTGTTGATTGGGTGTACAAGACCCTACTGGACTGATGCGGCTTCTAAGACTAT
 TTCAGTAGCTACTTAGACGGAACCAAGAGGAAGTTCTGTAACTCTGATTTGCGAGAGCCTGCCTCC
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 ACTGAAGAGGACCTCTCAATAGACATTGGTAGACATAGCGCTTCTGTAGGACACACATACCAGCAATCT
 CAGTTGTAAGCACAGATGATGATTTGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212587 representing NM_013155
Red=Cloning site Green=Tags(s)

MGTSARWALWLLLALCWAPRDSGATASGKKAKCDSSQFQCTNGRCITLLWKCDGDEEDCTDGSDEKNCVKK
TCAESDFVCKNGQCVPNRWQCDGDPDCEDGSDESPEQCHMRTCRINEISCGARSTQCIPESWRCDGENDC
DNGEDEENCGNITCSADEF TCSSGRCVSRNFVFCNGQDDCDDGSDELDCAPPTCGAHEFQCSTSSCIPLSW
VCDDADACSDQSDLESLEQCGRQPVIHTKCPTSEIQCGSGECIHKKWRCDGDPDCKDGSDEVNCPSTRCP
DQFECEDGSCIHGSRQCNGIRDCVDSDEVNCKNVNQLGPGKFKCRSGECIDITKVCQDQEQDCRDWSDE
PLKECHINECLVNNGGCSHICKDLVIGYECDAAGFELIDRKTGDIDECQNPICISQICINLKGGYKCE
CSRGYQMDLATGVCKAVGKEPSLIFTNRRDIRKIGLERKEYIQLVEQLRNTVALDADIAAQKLFWADLSQ
KAIFSASIDDKVGRHFKMIDNVYNPAAIAVDWVYKTIYWTDAASKTISVATLDGTRKFLFNSDLREPAS
IAVDPLSGFVYWSDWGEPKIEKAGMNGFDRRPLVTEDIQWPNGITLDLVKSRLYWLDSKLHMLSSVDLN
GQDRRIVLKSLEFLAHLALTI FEDRVYWIDGENEAVYGANKFTGSELATLVNNDQAQDIIYHEL VQP
SGKNWCEEDMENGCEYLCLPAPQINDHSPKYTCSPNGYNLEENGRECQSTSTPVTYSETKDVNTDIL
RTSGLVPGGINVTTAVSEVSVPKGTSAAWAILPLLLL VMAAVGGYLMWRNWQHKNMKS MNFDNPVYLKT
TEEDLSIDIGRHSASVGHYTPAISVVSTDDDLA

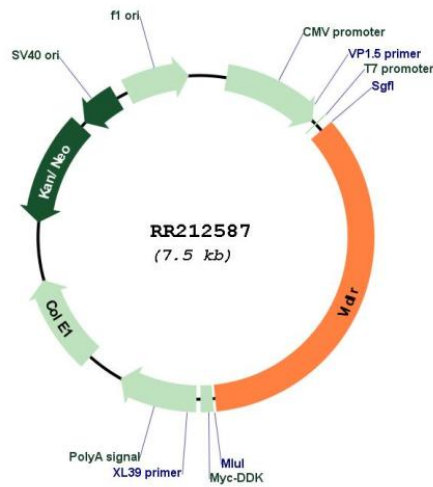
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_013155
ORF Size:	2619 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_013155.2 , NP_037287.2
RefSeq Size:	3417 bp
RefSeq ORF:	2622 bp
Locus ID:	25696
Cytogenetics:	1q52
MW:	96.5 kDa
Gene Summary:	mouse homolog is a lipoprotein receptor involved in the metabolic handling of triacylglycerol [RGD, Feb 2006]